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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|-------------------------------|------------------------|
| 10/748,397 | 12/30/2003 | Barrett E. Cole | H0001250-0760 CIP2 (1100. | 7566 |
| 128 7590 12/19/2006 HONEYWELL INTERNATIONAL INC. 101 COLUMBIA ROAD P O BOX 2245 MORRISTOWN, NJ 07962-2245 | | | EXAMINER LAUCHMAN, LAYLA G | |
| | | | ART UNIT 2877 | PAPER NUMBER |
| | | | MAIL DATE 12/19/2006 | DELIVERY MODE PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental
Notice of Allowability**

Application No.

10/748,397

Examiner

L. G. Lauchman

Applicant(s)

COLE, BARRETT E.

Art Unit

2877

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/08/2006.
2. ☒ The allowed claim(s) is/are 1-36 and 42-49.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f):
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Allowable Subject Matter

Claims 1-36, and 42-49 are allowed.

The following is an examiner's statement of reasons for allowance:

As to Claim 1, the prior art of record, taken alone or in combination, fails to disclose or render obvious the second spectrometer comprising a second tunable optical filter and a second detector, the second tunable optical filter and the second detector adapted to detect a second tunable range of wavelengths, wherein the first tunable range of wavelengths is different from the second tunable range of wavelengths, in combination with the rest of the limitations of the claim.

As to Claim 19, the prior art of record, taken alone or in combination, fails to disclose or render obvious the visible bandpass filter is selectively tunable by adjusting the second separation gap; and a visible light sensitive detector positioned downstream of the visible bandpass filter to receive light passed by the visible bandpass filter, in combination with the rest of the limitations of the claim.

As to Claim 29, the prior art of record, taken alone or in combination, fails to disclose or render obvious the second bandpass filters are selectively tunable by adjusting the second separation gap; and a plurality of second light detectors positioned downstream of the plurality of second bandpass filters to receive light passed by the second bandpass filter, in combination with the rest of the limitations of the claim.

As to Claim 36, the prior art of record, taken alone or in combination, fails to disclose or render obvious a UV light spectrometer comprising a Fabry-Perot filter tuned to pass UV light and a UV detector blind or substantially blind to visible light, and a visible light spectrometer

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comprising a Fabry-Perot filter tuned to absorb or otherwise block or substantially block UV light and a visible light detector, in combination with the rest of the limitations of the claim.

As to Claim 42, the prior art of record, taken alone or in combination, fails to disclose or render obvious the first detector being sensitive to the first wavelength of light but not substantially sensitive to the second wavelength of light, a second detector downstream of a second optical filter, the second optical filter substantially absorbing the first wavelength of the light, in combination with the rest of the limitations of the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to L. G. Lauchman whose telephone number is (571) 272-2418. The examiner's normal work schedule is 8:00am to 4:30pm (EST), Monday through Friday. If attempts to reach examiner by the telephone are unsuccessful, the examiner's supervisor Gregory J. Toatley, Jr. can be reached on (571) 272-2059, ext. 77.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application should be directed to the TC receptionist whose telephone number is (571) 272-1562.

A handwritten signature in black ink, appearing to read 'L. G. Lauchman', with a long horizontal flourish extending to the right.

L. G. Lauchman
Primary Examiner
Art Unit 2877

December 14, 2006

| | | | |
|---|------------------------|---------------------|--|
| Response to Rule 312 Communication | Application No. | Applicant(s) | |
| | 10/748,397 | COLE, BARRETT E. | |
| | Examiner | Art Unit | |
| | L. G. Lauchman | 2877 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. ☒ The amendment filed on 12/08/2006 under 37 CFR 1.312 has been considered, and has been:

a) ☐ entered.

b) ☒ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.



L. G. Lauchman
Primary Examiner
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